CLAIMS

Now, therefore, the following is claimed:

1. A forward error correction communication system, comprising:

a forward error correction (FEC) module configured to define a plurality of FEC code words; and

a transmission module configured to interleave the FEC code words across multiple communication connections such that characters of each of the plurality of FEC code words are transmitted across different ones of the communication connections, wherein each of the communication connections is communicatively coupled to a remote receiving unit.

2. The system of claim 1, wherein the transmission module is configured to ensure that approximately m/n characters of at least one of the code words are transmitted across each of the communication connections, wherein m corresponds to a total number of characters for the at least one code word and n corresponds to a total number of the communication connections.

3. The system of claim 1, wherein each of the communication connections is a digital subscriber line.

4. The system of claim 1, wherein each of the communication connections couples the transmission module to a network.

5. The system of claim 1, further comprising a network coupled to each of the communication connections, the network configured to route the FEC code words from the communication connections to the remote receiving unit.

6. A forward error correction communication system, comprising:

a forward error correction (FEC) module configured to define a plurality of FEC code words; and

a transmission module configured to transmit the FEC code words to a remote receiving unit via a plurality of communication connections, the transmission module configured to ensure that characters of each of the FEC code words are transmitted across different ones of the communication connections.

7. The system of claim 6, wherein the transmission module is configured to ensure that approximately m/n characters of at least one of the code words are transmitted across each of the communication connections, wherein m corresponds to a total number of characters for the at least one code word and n corresponds to a total number of the communication connections.

8. The system of claim 6, wherein each of the communication connections is a digital subscriber line.

9. The system of claim 6, wherein each of the communication connections couples the transmission module to a network.

10. A forward error correction communication system comprising:

memory for storing a plurality of forward error correction (FEC) code words; and

means for transmitting the FEC code words to a receiving unit via a plurality of communication connections that are communicatively coupled to the receiving unit, the transmitting means configured to ensure that characters of each of the FEC code words are transmitted across different ones of the communication connections.

11. A method for communicating forward error correction code words, comprising the steps of:

transmitting a plurality of forward error correction (FEC) code words across a plurality of communication connections to a remote receiving unit; and

ensuring that characters of each of the FEC code words are transmitted across different ones of the communication connections via the transmitting step.

12. The method of claim 11, wherein the ensuring step comprises the step of ensuring that approximately m/n characters of at least one of the code words are transmitted across each of the communication connections, wherein m corresponds to a total number of characters for the at least one code word and n corresponds to a total number of the communication connections.

13. The method of claim 11, wherein each of the communication connections is a digital subscriber line.

14. A method for communicating forward error correction code words, comprising the steps of:

defining a plurality of forward error correction (FEC) code words; and

interleaving the code words across a plurality of communication connections such that characters of each of the code words are transmitted across different ones of the communication connections.

15. The method of claim 14, wherein the interleaving step comprises the step of ensuring that approximately m/n characters of at least one of the code words are transmitted across each of the communication connections, wherein m corresponds to a total number of characters for the at least one code word and n corresponds to a total number of the communication connections.

16. The method of claim 14, wherein each of the communication connections is a digital subscriber line.